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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JK	Alavi, Mohammad and Belas, R. "Surface Sensing, Swarmer Cell Differentiation, and Biofilm Development" Methods in Enzymology Vol 336, p. 29-40, 2001		
JK	Dependent Regul	A., McNairn, E., Leubke, T., Pau, R., Boxer, D. "ModE- ation of the Molybdenum Cofactor Operon moa in Escherichia Bacteriology p. 7035-7043, December 2000	
EXAMINER	/James Ketter/	DATE CONSIDERED 12/08/2006	

<sup>\*</sup> Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Page 2 of 6

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

ЈК	Balaban, N., Gov Y., Bitler, A., Boelaert, J.R. "Prevention of Staphylococcus aureus biofilm on dialysis catheters and adherence to human cells", <u>Kidney Int.</u> Vol 63 p.340-345, January 2003
	Barua, Soumitra, Yamashino, T., Hasegawa, T., Yokoyama, K., Torii, K., Ohta, M. "Involvement of surface polysaccharides in the organic acid resistance of Shiga toxin-producing <i>Escherichia coli</i> 0157:H7" Molecular Microbiology Vol. 43, p. 629-640, 2002
	Belas, Robert, Schneider, R., Melch, M., "Characterization of <i>Proteus mirabilis</i> Precocious Swarming Mutants: Identification of <i>rsbA</i> , Encoding a Regulator of Swarming Behavior" <u>Journal of Bacteriology</u> p. 6126-6139, December 1998
	Costerton, J.W., Stewart, S.S. and Greenberg, E.P. "Bacterial Biofilms: A Common Cause of Persistent Infections" Science Vol 284 p.1318-1322, May 21, 1999
	Costerton, J.W. and Lewandowski, Z. "Microbial Biofilms" Annual Review Microbiology p. 711-745, 1995
	Costerton, J.W., Lewandowski, Z., DeBeer, D., Caldwell, D., Korber, D. and James, G. "Biofilms, the Customized Microniche" <u>Journal of Bacteriology</u> , p. 2675-2679, April 1994
	Costerton, J.W., Cheng, K.J., Geesey, G.G., Ladd, T.I., Nickel, J.C., Dasgupta, M and Marrie, T.J. "Bacterial Biofilms in Nature and Disease" Annual Review Microbiology p.435-464, 1987
	Cramton, Sarah E., Gerke, C., Schnell, N., Nichols, W., Gotz, F. "The Intercellular Adhesion ( <i>ica</i> ) Locus Is Present in <i>Staphylococcus aureus</i> and is Required for Biofilm Formation" Infection and Immunity p. 5427-5433, October 1999
	Danese, Paul N., Pratt, L.A. and Kolter, R. "Biofilm Formation as a Developmental Process" Methods In Enzymology Vol 336 p.19-26, 2001
	Davey, Mary Ellen and O'Toole, G.A. "Microbial Biofilms: from Ecology to Molecular Genetics" Microbiology and Molecular Biology Reviews p. 847-867, December 2000
	Dover, Nir and Padan, E., "Transcription of nhaA, the Main Na/H <sup>+</sup> Antiporter of Escherichia coli, Is Regulated by Na <sup>+</sup> and Growth Phase" Journal of Bacteriology p. 644-653, January 2001
	Genevaux, Pierre, Baudia, P., Dubow, M.S. and Oudega, B. "Identification of Tn10 Insertions in the dsbA gene affecting Escherichia coli biofilm formation" FEMS Microbiology Letters p.403-409, 1999
EXAMINER /James	Ketter/ DATE CONSIDERED 12/08/2006

<sup>\*</sup> Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JK	Genevaux, Pierrre, Muller, S., and Bauda, P. "A rapid screening procedure to identify mini-Tn10 insertion mutants of Escherichia coli K-12 with altered adhesion properties" FEMS Microbiology Letters p. 27-30, 1996 (abstract)
	Gon, Stephanie, Patte, J., Mejean, V., Iobbi-nivol, C. "The torYZ (yecK bisZ) Operon Encodes a Third Respiratory Trimethylamine N-Oxide Reductase In Escherichia coli" Journal of Bacteriology p. 5779-5786, October 2000
	Huber, Birgit, Riedal, K., Kothe, M., Givskov, M., Molin, S. and Eberl, L. "Genetic Analysis of functions involved in the late stages of biofilm development in Burkholderia cepacia H111" Molecular Microbiology p.411-426, 2002
	Jackson, Debra W., Suzuki, K., Oakford, L., Simecka, J.W., Hart, M.E. and Romeo, T. "Biofilm Formation and Dispersal under the Influence of the Global Regulator CsrA of <i>Esherichia coli</i> " Journal of Bacteriology p. 290-301, January 2002
	Biology, Neidhardt, F. C., Curtiss, III R., Ingraham, J. L., Lin, E. C. C., Low, K. B., Magasanik, B., et. al., Vol 1, 2 <sup>nd</sup> ed., p.1064-1072 ASM Press, 1996
	Kleckner, N., Bender, J., and Gottesman, S. "Uses of Transposons with Emphasis on Tn10" Methods in Enzymology, Vol. 204, p. 139-179, Academic Press, 1991
	Kolter, Roberto and Losick, R. "One for All and All for One" Science Vol 280, p. 226-227, April 10, 1998
	Kwon, Ohsuk, Georgellis, D., Lynch, A., Boyd, D., Lin, E. "The ArcB Sensor Kinase of <i>Escherichia coli</i> : Genetic Exploration of the Transmembrane Region" Journal of Bacteriology, p. 2960-2966, May 2000
	Lamont, Richard J. and Bryers, James D. "Biofilm-Induced Gene Expression and GeneTransfer" Methods in Enzymology, Vol.336, p. 84-94, Academic Press, 2001
	Landini, Paolo, Zehnder, A. "The Global Regulatory hns Gene Negatively Affects Adhesion to Solid Surfaces by Anaerobically Grown Escherichia coli by Modulating Expression of Flagellar Genes and Lipopolysaccharide Production" Journal of Bacteriology p. 1522-1529, March, 2002
	Lewis, Kim "Riddle of Biofilm Resistance" Antimicrobial Agents and Chemotherapy p. 999-1007, April 2001
EXAMINER /	/James Ketter/ DATE CONSIDERED 12/08/2006

EXAMINER / DATE CONSIDERED 12/08/2006

<sup>\*</sup> Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Page 4 of 6

JK	ER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)  Liu, M.Y., G. Gui,, B. Wei, J.F. Preston III, L. Oakford, U. Yuksel, D.P. Giedroc, and T. Romeo. 1997. The RNA molecule CsrB binds to the global regulatory protein CsrA and antagonizes its activity in Escherichia coli J. Biol. Chem. 272:17502-17510.
	Matsushika, Akinori, Mizuno, T. "A Dual-Signaling Mechanism Mediated by the ArcB Hybird Sensor Kinase Containing the Histidine-Containing Phosphotransfer Domain in Escherichia coli" Journal of Bacteriology p. 3973-3977, August 1998
	Miller, J. H. Experiments in Molecular Genetics, Cold Spring Harbor Laboratory, Cold Spring Harbor, N.Y., 1972
	Mireles, Joe Robert, Toguchi, A., Harshey, R. "Salmonella enterica Serovar Typhimurium Swarming Mutants with Altered Biofilm-Forming Abilities: Surfactin Inhibits Biofilm Formation" Journal of Bacteriology p. 5848-5854, October 2001
	O'Toole, George A. and Kolter, R. "Initiation of biofilm formation in <i>Pseudomonos Flourescens</i> WCS365 proceeds via multiple, convergent signalling pathways: A Genetic analysis" Molecular Microbiology p.449-461, 1998
	Otto, Karen, Norbeck, J., Larsson, T., Karlsson, K., Hermansson, M. "Adhesion of Type I-Fimbriated <i>Escherichia coli</i> to Abiotic Surfaces Leads to Altered Composition of Outer Membrane Proteins" <u>Journal of Bacteriology</u> p. 2445-2453, April 2001
	Otto, Karen and Silhavy, T. J. "Surface sensing and adhesion of <i>Escherichia coli</i> Controlled by the CPX-signaling pathway" PNAS Vol. 99, p. 2287-2292, February 2002
	Page, Frederic, Altabe, S., Hugouvieux-Cotte-Pattat, N., Lacroix, J., Robert-Baudouy, J., Bohin, J. "Osmoregulated Periplasmic Glucan Synthesis Is Required for Erwinia chrysanthemi Pathogenicity" Journal of Bacteriology p. 3134-3141, May 2001
	Palmer, Robert J. and White, D.C. "Developmental biology of biofilms: implications for Treatment and control" Trends in Microbiology Vol 5, No.11, p.435- 440, November 1997 (abstract)
	Potera, Carol "Forging a Link Between Biofilms and Disease" Science Vol 283 p.1837-1839, March 19, 1999
	Pratt, Leslie and Kolter, R. "Genetic analysis of <i>Esherichia coli</i> biofilm formation: Roles of flagella, motility, chemotaxis and type I pili" Molecular Microbiology Vol. 30, p.285-293, 1998
XAMINER /Jai	mes Ketter/ DATE CONSIDERED 12/08/2006

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Page 5 of 6

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JR	Prigent-Combaret, Claire, Prensier, G., Thi, T.T.L., Vidal, O., Lejeune, P., and Dorel, C. "Developmental pathway for biofilm formation in curli-producing Escherichia coli strains: role of flagella, curli and colonic acid" Environmental Microbiology Vol. 2, p. 450-464, 2000
	Prigent-Combaret, Claire, Vidal, O., Dorel, C. and Lejeune, P. "Abiotic Surface Sensing and Biofilm-Dependent Regulation of Gene Expression in <i>Escherichia coli</i> " Journal of Bacteriology p.5993-6002, October 1999
	Romeo, Tony "Global regulation by the small RNA-binding protein CsrA and the non-Coding RNA molecule CsrB" Molecular Microbiology p.1321-1330, 1998
	Romeo, T., J. Black, and J. Preiss. 1990. Genetic regulation of glycogen biosynthesis in Escherichia coli: in vivo effects of the catabolite repression and stringent response systems in glg gene expression. Curr. Microbiol. 21:131-137.
	Romeo, T., M. Gong, M.Y. Liu, and AM. Brun-Zinkernagel. 1993. Identification and molecular characterization of csrA, a pleiotropic gene from Escherichia coli that affects glycogen biosynthesis, gluconeogenesis, cell size, and surface properties. J. Bacteriol. 175:4744-4755.
	Sauer, Karin, Camper, A., "Characterization of Phenotypic Changes in <i>Pseudomonas Putida</i> in Response to Surface-Associated Growth" <u>Journal of Bacteriology</u> , p. 6579-6589, November 2001
	Sauer, Karin, Camper, A., Ehrlich, G., Costerton, J., Davies, D., "Pseudomonas aeruginosa Displays Multiple Phenotypes during Development as a Biofilm" Journal of Bacteriology p. 1140-1154, February 2002
	Shi, Wenyuan, Zhou, Y., Wild, J., Adler, J., Gross, C., "DnaK, DnaJ, and GrpE Are Required for Flagellum Synthesis in Escherichia coli" Journal of Bacteriology p. 6256-6263, October 1992
	Stanley, Nicola, Britton, R., Grossman, A. "Identification of Catabolite Repression as a Physiological Regulator of Biofilm Formation by <i>Bacillus subtilis</i> by use of DNA Microarrays" Journal of Bacteriology p. 1951-1957, March 2003
	Takeda, Shin-Ichiro, Fujisawa, Y., Matsubara, M., Aiba, H., Mizuno, T. "A novel feature of the multistep phosphorelay in <i>Escherichia coli</i> : a revised model of the RcsC→YojN→RcsB signalling pathway implicated in capsular synthesisand swarming behaviour" Molecular Microbiology Vol. 40(2), p. 440-450, 2001
/James	Ketter/ DATE CONSIDERED 12/08/2006

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Page 6 of 6
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JK	Whiteley, M., Bangera, M., Bumgarner, R., Parsek, M., Teitzel, G., Lory, S., Greenberg, E. P. "Gene expression in <i>Pseudomonas</i> Biofilms" Nature Vol. 413 p. 860-864, 2001  Yang, Honghui, Liu, M., Romeo, T., "Coordinate Genetic Regulation of Glycogen Catabolism and Biosynthesis in <i>Escherichia coli</i> via the CsrA Gene Product" Journal
JK	Watnick, Paula and Kolter, R. "Biolfilm, City of Microbes" Journal of Bacteriology p. 2675-2679, May 2000  Whiteley M. Bangera M. Bungarner R. Parsek M. Teitzel G. Lory S.
JK	Wei, Bangdong, Brun-Zinkernagel, A., Simecka, J., PruB, B., Babitzke, P., Romeo, T., "Positive regulation of motility and flhDC expression by the RNA-binding protein CsrA of <i>Escherichia coli</i> " Molecular Microbiology Vol. 40(1), p. 245-256, 2001
JK	Toesca, Isabelle, Perard, C., Bouvier, J., Gutierrez, C., Conter, A. "The transcriptional Activator NhaR is responsible for the osmotic induction of $osmC_{pl}$ , a promoter of the stress-inducible gene $osmC$ in Escherichia coli" Microbiology. Vol. 147, p. 2795-2803, 2001

		*****			
* Examiner:	Initial citation considered	, whether or no	t citation is in conformanc	e with MPEP 609;	Draw line through citation if not in

<sup>\*</sup> Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.